

UNIVERSIDAD EAFIT  
DEPARTAMENTO DE INFORMÁTICA Y  
SISTEMAS  
ELECCIÓN DEL PROYECTO  
Primer informe

August 7, 2022

**Course:** Numerical Analysis.

**Head teacher:** Edwar Samir Posada Murillo.

**Delivery date:** August 07 of 2022.

**Project name:** Cost-performance ratio for object detection.

**Project members:**

- Isaías Labrador Sánchez.
- Juan Manuel Young Hoyos.

**Project description:** The idea is to find a cost-performance ratio by comparing methods and hardware for object detection, mainly focused on autonomous driving, and thus find a way to implement autonomous driving at lower costs without “losing accuracy”.

**Possible Added Values to the project:**

- Project submission in LaTeX.
- Project submission and documentation in English.
- Small physical implementation at the end of the course.
- Possible implementation in languages other than Python (possibly C++ and/or Rust will be used).

**Signature:**



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Isaías Labrador Sánchez



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Juan Manuel Young Hoyos